Intent and intent-filter

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.datapassinactivity">

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:supportsRtl="true"

android:theme="@style/AppTheme">

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

<activity android:name=".ActivityTwo"></activity>

</application>

</manifest>

Main-activity

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="com.example.datapassinactivity.MainActivity">

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:inputType="textPersonName"

android:ems="10"

android:id="@+id/editText"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="60dp"

android:hint="Enter a Name" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Submit"

android:id="@+id/buttonmain"

android:layout\_below="@+id/editText"

android:layout\_alignParentStart="true"

android:layout\_marginTop="51dp" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Implicit Intent"

android:id="@+id/buttonimplicit"

android:layout\_alignBottom="@+id/buttonmain"

android:layout\_alignParentEnd="true"

/>

</RelativeLayout>

Activity two

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="com.example.datapassinactivity.ActivityTwo"

android:background="#d4c1c1">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="This is Activity Two" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/textviewsecontactivity"

android:text="" />

</LinearLayout>

Java:-mainacivity

package com.example.datapassinactivity;

import android.content.Intent;

import android.net.Uri;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

onclickbuttontopassdata();

}

public void onclickbuttontopassdata()

{

Button button=(Button)findViewById(R.id.buttonimplicit);

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

EditText editText=(EditText)findViewById(R.id.editText);

String url=editText.getText().toString();

Intent intent=new Intent(Intent.ACTION\_VIEW, Uri.parse(url));

startActivity(intent);

}

});

Button btn=(Button)findViewById(R.id.buttonmain);

btn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

EditText tdt=(EditText)findViewById(R.id.editText);

String datato =tdt.getText().toString();

Intent intent = new Intent(MainActivity.this,ActivityTwo.class);

intent.putExtra("datatosend",datato);

startActivity(intent);

}

});

}

}

Java activity2

package com.example.datapassinactivity;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.TextView;

public class ActivityTwo extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_activity\_two);

String s = getIntent().getStringExtra("datatosend");

TextView textView=(TextView)findViewById(R.id.textviewsecontactivity);

textView.setText(s);

}

}

FragmentExample

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.fragmentexample">

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:supportsRtl="true"

android:theme="@style/AppTheme">

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

</manifest>

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent" >

<fragment

android:id="@+id/fragment2"

android:name="com.example.fragmentexample.fragment2"

android:layout\_width="0px"

android:layout\_height="match\_parent"

android:layout\_weight="1"

/>

<fragment

android:id="@+id/fragment1"

android:name="com.example.fragmentexample.fragment1"

android:layout\_width="0px"

android:layout\_height="match\_parent"

android:layout\_weight="1"

/>

</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:background="#00ff00"

>

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="fragment frist"

android:textAppearance="?android:attr/textAppearanceLarge" />

</LinearLayout>

<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context="com.example.fragmentexample.fragment2">

<!-- TODO: Update blank fragment layout -->

<TextView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:text="@string/hello\_blank\_fragment" />

</FrameLayout>

package com.example.fragmentexample;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

}

package com.example.fragmentexample;

import android.os.Bundle;

import android.support.v4.app.Fragment;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

public class fragment1 extends Fragment {

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

return inflater.inflate(R.layout.fragment\_fragment1, container, false);

}

}

package com.example.fragmentexample;

import android.content.Context;

import android.net.Uri;

import android.os.Bundle;

import android.support.v4.app.Fragment;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

public class fragment2 extends Fragment {

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

return inflater.inflate(R.layout.fragment\_fragment2, container, false);

}

}

LifeCycle:-

package com.example.lifecycle;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.Toast;

public class LifeCycleActivity extends AppCompatActivity {

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_life\_cycle);

Toast.makeText(LifeCycleActivity.this,"ON CREATE", Toast.LENGTH\_SHORT).show();

}

@Override

protected void onStart() {

super.onStart();

Toast.makeText(LifeCycleActivity.this,"ON START", Toast.LENGTH\_SHORT).show();

}

@Override

protected void onResume() {

super.onResume();

Toast.makeText(LifeCycleActivity.this,"ON RESUME", Toast.LENGTH\_SHORT).show();

}

@Override

protected void onPause() {

super.onPause();

Toast.makeText(LifeCycleActivity.this,"ON PAUSE", Toast.LENGTH\_SHORT).show();

}

@Override

protected void onRestart() {

super.onRestart();

Toast.makeText(LifeCycleActivity.this,"ON RESTART", Toast.LENGTH\_SHORT).show();

}

@Override

protected void onStop() {

super.onStop();

Toast.makeText(LifeCycleActivity.this,"ON STOP", Toast.LENGTH\_SHORT).show();

}

@Override

protected void onDestroy() {

super.onDestroy();

Toast.makeText(LifeCycleActivity.this,"ON DESTROY", Toast.LENGTH\_SHORT).show();

}

}

Service Example

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="com.example.servicesanditslifecycle.MainActivity">

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Example of services"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true"

android:textSize="30dp" />

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Tutorials point "

android:textColor="#ff87ff09"

android:textSize="30dp"

android:layout\_above="@+id/imageButton"

android:layout\_centerHorizontal="true"

android:layout\_marginBottom="40dp" />

<ImageButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/imageButton"

android:layout\_centerVertical="true"

android:layout\_centerHorizontal="true" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/button2"

android:text="Start Services"

android:onClick="startService"

android:layout\_below="@+id/imageButton"

android:layout\_centerHorizontal="true" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Stop Services"

android:id="@+id/button"

android:onClick="stopService"

android:layout\_below="@+id/button2"

android:layout\_alignLeft="@+id/button2"

android:layout\_alignStart="@+id/button2"

android:layout\_alignRight="@+id/button2"

android:layout\_alignEnd="@+id/button2" />

</RelativeLayout>

package com.example.servicesanditslifecycle;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

public class MainActivity extends AppCompatActivity {

String msg = "Android : ";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

public void startService(View view) {

startService(new Intent(getBaseContext(), HelloService.class));

}

// Method to stop the service

public void stopService(View view) {

stopService(new Intent(getBaseContext(), HelloService.class));

}

}

package com.example.servicesanditslifecycle;

import android.app.Service;

import android.content.Intent;

import android.os.IBinder;

import android.support.annotation.Nullable;

import android.widget.Toast;

public class HelloService extends Service {

@Nullable

@Override

public IBinder onBind(Intent intent) {

return null;

}

@Override

public int onStartCommand(Intent intent, int flags, int startId) {

// Let it continue running until it is stopped.

Toast.makeText(this, "Service Started", Toast.LENGTH\_LONG).show();

return START\_STICKY;

}

@Override

public void onDestroy() {

super.onDestroy();

Toast.makeText(this, "Service Destroyed", Toast.LENGTH\_LONG).show();

}

}

Recevers:-

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.sgs.receiver2" >

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:supportsRtl="true"

android:theme="@style/AppTheme" >

<activity android:name=".MainActivity" >

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

<receiver android:name=".Receiver2" android:enabled="true">

<intent-filter>

<action android:name="android.intent.action.ACTION\_POWER\_CONNECTED"></action>

<action android:name="android.intent.action.ACTION\_POWER\_DISCONNECTED"></action>

<action android:name="android.intent.action.AIRPLANE\_MODE"></action>

<action android:name="android.intent.action.BATTERY\_LOW"></action>

<action android:name="android.intent.action.ACTION\_SHUTDOWN"></action>

<action android:name="android.intent.action.HEADSET\_PLUG"></action>

<action android:name="android.intent.action.CAMERA\_BUTTON"></action>

</intent-filter>

</receiver>

</application>

</manifest>